Appointment

* Description: A scheduled time for a patient to have when attending a clinic
* Attributes:
  + Attended: Boolean, a value to see if the person is going to the appointment
  + AppointmentID: Varchar(16) a unique identification number, Weak Key
  + Date: date, A year, month, day, and time
  + Reason: Varchar(100), brief description for the appointment
* Weak Attribute so this entity as no Primary Key

Business

* An organization that will interact with the medication.
* Attributes:
  + Address: Varchar(100), a street, Zip code, city, and state
  + CompanyID: Varchar(16), a unique identification number, Primary Key
  + Name: Varchar(50), a name of the Company
  + Phone Number: varchar(10), a 10-digit long number

Clinic

* Description: A medical facility that holds appointments with patients
* No attributes

Company Drug

* Description: A drug that is a variation of a generic drug
* Attribute:
  + CompanyID: Varchar(16) a unique identification number, Weak Key
  + Name: Varchar(40), a name to identify the drug

Doctor

* Description: A medical professional that has acquired a MD Degree
* Attributes:
  + MD Degree: Varchar(40), specifies the type of degree obtained.

Generic Drug

* Description: The base form of a drug
* Attrubutes:
  + DrugID: Varchar(16), a unique identification number, Primary Key
  + Side Effect: Varchar(100), a brief description of the possible side effects

Hospital

* Description: A Medical Facility that provides Surgery
* No Attributes

Medical Facility

* Description: A business that provides varying options of medical assistance
* No Attributes

Medical Professional

* Description: An individual that provides healthcare services.
* Attribute:
  + EmployeeID: Varchar(16), a unique identification number, Primary Key

Medical Research Facility

* Desciption: A facility in which scientific test are run to understand new Medicines and Diseases.
* Attributes:
  + Research Specialty: Varchar(50), the research type
  + Funding: int, the amount of money received for research

Nurse Practitioner

* Description: A Nurse who can treat patients without direct supervision of a doctor
* Attributes:
  + Certification: Varchar(40), specifies the type of certification

Patient

* Description: An individual seeking medical assistance
* Attributes:
  + ID: Varchar(16), a unique identification number, Primary Key
  + Phone Number: varchar(10), a 10-digit long number
  + Name: Varchar(20), the name of the individual
  + Sex: Varchar(6), The biological sex of the individual
  + Birthday: Varchar(8), The date, month, and year they were born
  + Age: int, the age of the individual

Pharmaceutical Company

* Description: A company that creates drugs
* Attribute:
  + Country: Varchar(2), a 2-letter abbreviation of the country of operation

Pharmacy

* Description: A location that people can purchase the drugs from
* Attributes:
  + Pharmacy License: Varchar(16), A unique license number
  + Hours: Varchar(30), opening and closing times displayed

Physician’s Assistant

* Description: A person who assists a physician with their clinical procedures.
* Attributes:
  + MS Degree: Varchar(40), specifies the type of degree obtained.
  + Certification: Varchar(40), specifies the type of certification

Prescription

* Description: A document that has a duration for a company drug to a patient
* Attributes:
  + Duration: Varchar(20), establishes a period of time for the use of the drug
  + PrescriptionID: Varchar(16), a unique identification number, Primary Key

Researcher

* Description: An individual tasked with the further understanding a specific area
* Attributes:
  + Research Area: Varchar(20), the research topic

Surgery

* Description: A intensive medical procedure that a patient will receive that
* Attributes:
  + Cost: int, the dollar amount of the surgery
  + Name: Varchar(20), the name of the surgery
  + SurgeryID: Varchar(16), a unique identification number, Primary Key

Urgent Care

* Description: A medical facility that provide walk-in availability for medical examination.
* No attributes

Walk-In

* Description: A doctor appointment that does not require pre-existing scheduling
* Attributes:
  + AppointmentID: Varchar(16) a unique identification number, Weak Key
  + Date: Varchar(20), the day, month, year, and time of the walk in
  + Reason: Varchar(100), brief description for the appointment